



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Clopay Building Products Company
8585 Duke Boulevard
Mason, OH 45040

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Single Car Steel Pan W9 Sectional Garage Door up to 9'-0" Wide w/ Optional Impact Resistant Lites (DP +62.0, -72.0 PSF)

APPROVAL DOCUMENT: Drawing No. 101706, titled "Single-Car Steel Pan Garage Door with Opt. Impact Resist. Lites", sheet 1 of 1, dated 11/18/1996, with revision 9 dated 2/2015, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Miami-Dade County approved laboratory. Every 3 months, the manufacturer shall mail to this office a copy of the tested reports. Only coils with average yield strength of 27,000 psi or more shall be used to make door panels for Miami-Dade County under this Notice of Acceptance.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 13-0701.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
05/06/2015

NOA No 15-0225.18
Expiration Date: September 25, 2018
Approval Date: May 14, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **101706**, titled "Single-Car Steel Pan Garage Door with Opt. Impact Resist. Lites", sheet 1 of 1, dated 11/18/1996, with revision 9 dated 2/2015, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E.

B. TESTS *"Submitted under NOA # 08-0724.04"*

1. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per FBC, TAS 202-94
 - 5) Tensile Test per ASTM E8

Along with marked-up drawings and installation diagram of Clopay 9'x 8', 24 ga. steel garage door Model 94W9 with windows, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0610.01-08**, dated 07/16/2008, signed and sealed by David W. Johnson, P.E.

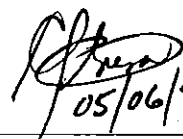
2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized coated panels, prepared by Stork Materials Technology, Test Report No. **30160-04-63365**, dated 01/26/2005, signed by John D. Lee, P.E.

C. CALCULATIONS *"Submitted under NOA # 08-0724.04"*

1. Jamb anchor calculations, complying with FBC-2004, prepared by Clopay Building Products Company, dated 07/22/2008, signed and sealed by Scott Hamilton, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)



05/06/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 15-0225.18

Expiration Date: September 25, 2018
Approval Date: May 14, 2015

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E. MATERIAL CERTIFICATIONS “Submitted under NOA # 07-0807.14”

1. Test report on Accelerated Weathering Using Xenon Arc Light Apparatus per ASTM G155 of Lexan SLX2432T Clear Polycarbonate, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-06-A002**, dated 12/04/2006, signed by Rafael E. Droz-Seda, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929, Rate of Burn per ASTM D635, and Smoke Density per ASTM D2843 of the Lexan Plastic, prepared by ETC Laboratories, Test Report No. **ETC-06-1024-17496.0**, dated 05/26/2006, signed by Joseph L. Doldan, P.E.

F. STATEMENTS

1. Statement letter of code conformance with the 2010 and the 5th edition (2014) FBC issued by Clopay Building Products Company, dated 02/18/2015, signed and sealed by Scott Hamilton, P.E.

“Submitted under NOA # 13-0701.06”
2. Statement letter of code conformance to 2010 FBC, dated 06/26/2013, signed and sealed by Scott Hamilton, P.E.
3. Statement letter of no financial interest issued by Clopay Building Products Company, dated 06/26/2013, signed and sealed by Scott Hamilton, P.E.



05/06/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 15-0225.18
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CLOPAY MODELS 84A, 93, 94, 98; IDEAL MODELS 4RST, 4F; HOLMES MODELS 48, 48B

16 GA. GALVANIZED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM [(2) AT TOP INSIDE, (2) BOTTOM INSIDE, (4) ALONG OUTSIDE EDGE OF 18" SECTIONS & (6) ALONG OUTSIDE EDGE OF 21" SECTIONS] AND SEPARATE 18 GA. GALV. INNER DOUBLE END STILES ATTACHED TO TOP AND BOTTOM RAIL WITH PATENTED TOG-L-LOC SYSTEM.

ONE INTERMEDIATE STILE BETWEEN EACH EMBOSS LOCATION, ATTACHED W/ PATENTED TOG-L-LOC SYSTEM (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER).

ONE ROW OF IMPACT-RESISTANT GLAZING IN EITHER TOP SECTION (SHOWN) OR NEXT-TO-THE-TOP SECTION (NOT SHOWN). MAX. GLAZING SIZE IS 18-1/2" x 11". GLAZING IS INJECTION MOLDED GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606. SEE SECTION B-B FOR ASSEMBLY DETAILS.

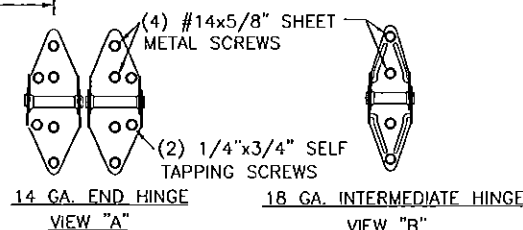
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-0225-18
Expiration Date 09/25/2018
By Miami Dade Product Control

LOCK POSITION (BOTH SIDES). SEE LAYOUT OF EACH LOCK FOR DETAILS.

LOCATION OF OPTIONAL VENTS. Δ
(MAX SIZE: 60 SQ. INCHES)
MAX. DOOR WIDTH = 9'-0"
INSIDE ELEVATION

DOOR HEIGHT	NUMBER OF SECTIONS *
6'0" TO 7'0"	4
7'6" TO 8'0"	5
9'0" TO 10'0"	6
10'6" TO 12'0"	7
12'6" TO 14'0"	8
14'6" TO 15'0"	9
16'0"	10

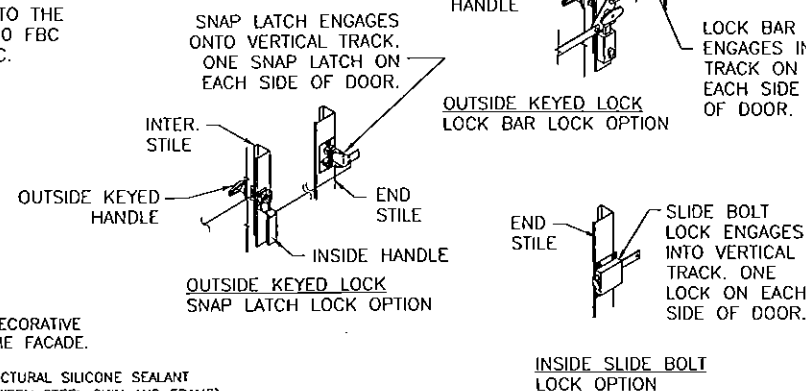
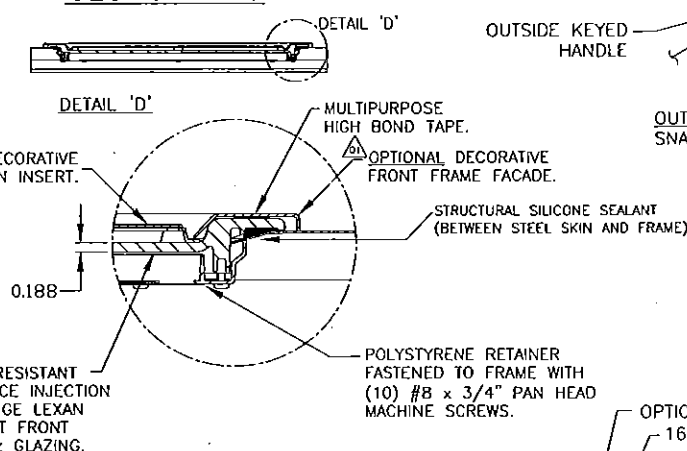
* SECTIONS ARE EITHER 18" OR 21"



TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.

THIS PRODUCT CONFORMS TO THE REQUIREMENTS OF THE 2010 FBC AND THE FIFTH EDITION FBC.

SECTION B-B



24 GA. (0.0239" MIN. THICK) DDS STEEL EXTERIOR SKIN WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN. (ASTM No. A653).

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT)

16 GA. MIN. GALV. STEEL END STILE

18 GA. GALV. STEEL DOUBLE END STILE

20 GA. GALV. STEEL INTER. STILE. (1) INTER. STILE BETWEEN EACH EMBOSS.

18 GA. GALV. STEEL CENTER HINGE FASTENED TO INTER. STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS.

7/16" PUSHNUT FASTENER INSTALLED ON ROLLER SHAFT FOR UNRESTRICTED DOOR OPERATION.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER ROLLER HINGE.

2" STEEL LONG STEM ROLLER.

JAMB CONFIGURATION

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
- ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
- A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x4 [OPENINGS UP TO 9'0"W] OR (3) 2x6 [OPENINGS UP TO 18'0"W] PRESSURE TREATED SYP (GRADE #2 OR BETTER) WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (F_b). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO THE BEAMS.

BLOCK WALL OR CONCRETE

2x6 SYP (GRADE #2 OR BETTER) WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO THE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS)

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
C-90 BLOCK (HOLLOW OR CROUTED)	1/4" x 3" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	7"	1" O.D.
2,000 PSI MIN. CONCRETE	1/4" x 4" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	14-1/4"	1" O.D.
3,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/4" EMBED) SIMPSON STRONGTIE WEDGE-ALL WEDGE ANCHOR (2" MIN. EDGE DISTANCE)	14-1/2"	INCLUDED
2,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/2" EMBED) WEL-R-SLEEVE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	16"	INCLUDED
WOOD FRAME	1/2" x 4" (1-5/8" EMBED) LAG SCREW (ASTM-A307, GRADE A) (2-1/2" MIN. EDGE DISTANCE)	16-3/4"	1" O.D.

* - FIRST ANCHOR/SCREW STARTING FROM BOTTOM AT NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE. HIGHEST ANCHOR/SCREW INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT.

Clopay
Building Products
Company

SCOTT HAMILTON
FLORIDA P.E. NO. 62286
CLOPAY BUILDING PRODUCTS COMPANY
8585 DUKE BLVD.
MASON, OH 45040
(513) 770-4800

DESIGN LOADS: +62.0 PSF & -72.0 PSF.	MANUFACTURING PRODUCT CODE: PAN-2F143	CLOPAY WINDLOAD RATING: W9	MAXIMUM DOOR SIZE: 9'0"W x 16'0"H
DATE: 11/18/96	DRAWN BY: MWW	CHECKED BY: B	DESCRIPTION: SINGLE-CAR STEEL PAN GARAGE DOOR WITH OPT. IMPACT RESIST. LITES
			DRAWING NUMBER: 101706
			VER: MD

TRACK CONFIGURATION

DOORS UP TO 8'0" HIGH

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)

DOOR COUNTERBALANCE SYSTEM

13 GA. GALV. STEEL FLAG BRACKET.

76" (7'6" & 8'0" H DOORS ONLY)

2" GALV. STEEL TRACK, TRACK THICKNESS: 0.083".

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK BRACKETS. (6 TRACK BRKTS PER SIDE FOR DOORS UP TO 7'0" HIGH). (7 TRACK BRKTS PER SIDE FOR DOORS 7'3" TO 8'0" HIGH). EACH TRACK BRACKET ATTACHED TO DOOR JAMB WITH (1) 5/16" x 1-5/8" LAG SCREW. TRACK ATTACHED TO EACH BRACKET WITH ONE 1/4"x5/8" BOLT & NUT, OR TWO 1/4" RIVETS.

DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

TRACK CONFIGURATION

DOORS UP TO 16'0" HIGH

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)

DOOR COUNTERBALANCE SYSTEM

CENTER HANG REQUIRED ON DOORS OVER 8' HIGH

13 GA. GALV. STEEL FLAG BRACKET.

TRACK CONFIGURATION

2" GALV. STEEL TRACK, TRACK THICKNESS: 0.083".

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK BRACKETS. EACH TRACK BRACKET ATTACHED TO DOOR JAMB WITH (1) 5/16" x 1-5/8" LAG SCREW. TRACK ATTACHED TO EACH BRACKET WITH ONE 1/4"x5/8" BOLT & NUT, OR TWO 1/4" RIVETS.

Door Height	"L"
6'-6"	94"
6'-0"	100"
6'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"